



# **CITY OF HAYWARD**

## **AGENDA REPORT**

AGENDA DATE 02/02/99

AGENDA ITEM 4

WORK SESSION ITEM \_\_\_\_\_

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** Ruus Road Sanitary Sewer Line Replacement and Tennyson Road Sewer Interceptor Improvement – Approval of Plans and Specifications and Call for Bids

### **RECOMMENDATION:**

It is recommended that the City Council approve the plans and specifications for the Ruus Road Sanitary Sewer Line Replacement and Tennyson Road Sewer Interceptor Improvement Projects and call for bids to be received on March 2, 1999.

### **BACKGROUND:**

On July 28, 1998, the City Council approved the plans and specifications for the Ruus Road Sanitary Sewer Line Replacement, Tennyson Road Sewer Interceptor Improvement, and Tennyson Road Lift Station Improvement project and called for bids to be received on September 8, 1998.

Only two bids were received on September 8, 1998, and the low bid was over a million dollars above the Engineer's estimate. Staff believes that the low number of bids was related to the timing of the bid and that the project included incompatible components, i.e., pump station improvements and specialized micro-tunneling work. Re-bidding the project during the winter months, when contractors are generally less busy, along with some changes in the project packaging to segregate the pump station work, could result in more bids, and hopefully a more reasonable low bid. Based on this, on October 6, 1998, the City Council rejected all bids for the Ruus Road Sanitary Sewer Line Replacement, Tennyson Road Sewer Interceptor Improvement, and Tennyson Road Lift Station Improvement Projects.

In order to attract more bidders, the original package of the three projects was divided into two packages. The first one, which was bid on December 8, 1998, included the improvement of the Tennyson Lift Station, and necessary on-site pipeline, and also the construction of the Tennyson Road parallel sewer interconnection at Underwood Avenue using conventional open trench construction. The second package, to be advertised at this time, after the bid opening for the first package, includes the specialized pipe bursting and micro-tunneling work for Ruus Road and Tennyson Road sewers.

The sanitary sewer main at Ruus Road between Folsom Avenue and Industrial Parkway has surcharge problems during wet-weather flows. Under wet weather conditions, the sewage occasionally spills through manhole lids and onto City streets. Approximately 3,050-foot of existing 8-inch sewer main, identified in the Wastewater Collection System Master Plan, as hydraulically deficient, will be replaced with 15-inch sewer main to abate surcharges in the existing overloaded sanitary sewer line. The existing sewer collection systems serving the Tennyson Road Corridor were also identified as deficient in the Wastewater Collection System Master Plan. Improvements will include adding 2,110 feet of 24-inch parallel sewer line at Tennyson Road from Tyrrell Avenue and Patrick Avenue to improve the efficiency under buildout peak wet weather flow conditions.

Due to the depth of the existing sanitary sewer systems and the need for least disturbance to the streets and traffic, two trenchless construction methods will be considered for this project, micro-tunneling and pipe bursting. These two methods are the new trenchless technology for utility improvement, and will minimize traffic impacts with less excavation and decreased construction time. Also, the final product will have no groundwater infiltration because of strong fused joints.

#### **Environmental Review:**

The pipeline project is statutorily exempt from environmental review under the California Environmental Quality Act (CEQA). Public Resource Code Section 21080.21 states that CEQA does not apply to any project of less than one mile in length within a public street or highway or any other public right-of-way for the installation of a new pipeline or the maintenance, repair, restoration, reconditioning, replacement, removal, or demolition of an existing pipeline (CEQA Guidelines Section 152.82(l)).

#### **DBE/WBE:**

Staff has established a combined goal of 5 percent for Disadvantaged Business Enterprises (DBE) and Women Owned Business Enterprise (WBE) participation for this project. The micro-tunneling and pipe-bursting are highly specialized types of construction work. The combined goal is limited due to the lack of available subcontracting opportunities.

#### **Project Cost:**

Design & Survey (for this package)	\$240,000
Contract Construction	\$4,410,000
Inspection & Administration	<u>\$100,000</u>
Total:	\$4,750,000

**Funding:**

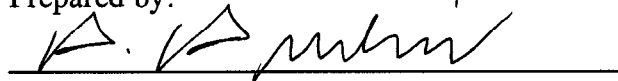
A total of \$3,680,000 has been appropriated for these projects in the Sewer Capital Improvement Fund and Sewer Collection System Replacement Fund in the 1998/99 Capital Improvement Program. An additional appropriation will be requested at the time of the award when specific bid amounts are known. Sufficient monies are available within the Sewer Capital Improvement Fund and Sewer Collection System Replacement Fund for this purpose.

**Schedule:**

The following tentative project schedule has been developed for this package:

Advertise for Re-bids	February 2, 1999
Open Bids	March 2, 1999
Award Construction Contract	April 6, 1999
Begin Construction	May, 1999
Construction Completion	January, 2000

Prepared by:



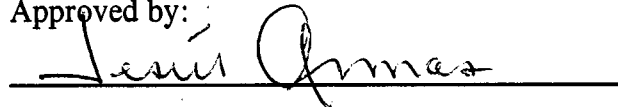
Alex Ameri, Deputy Director of Public Works

Recommended by:



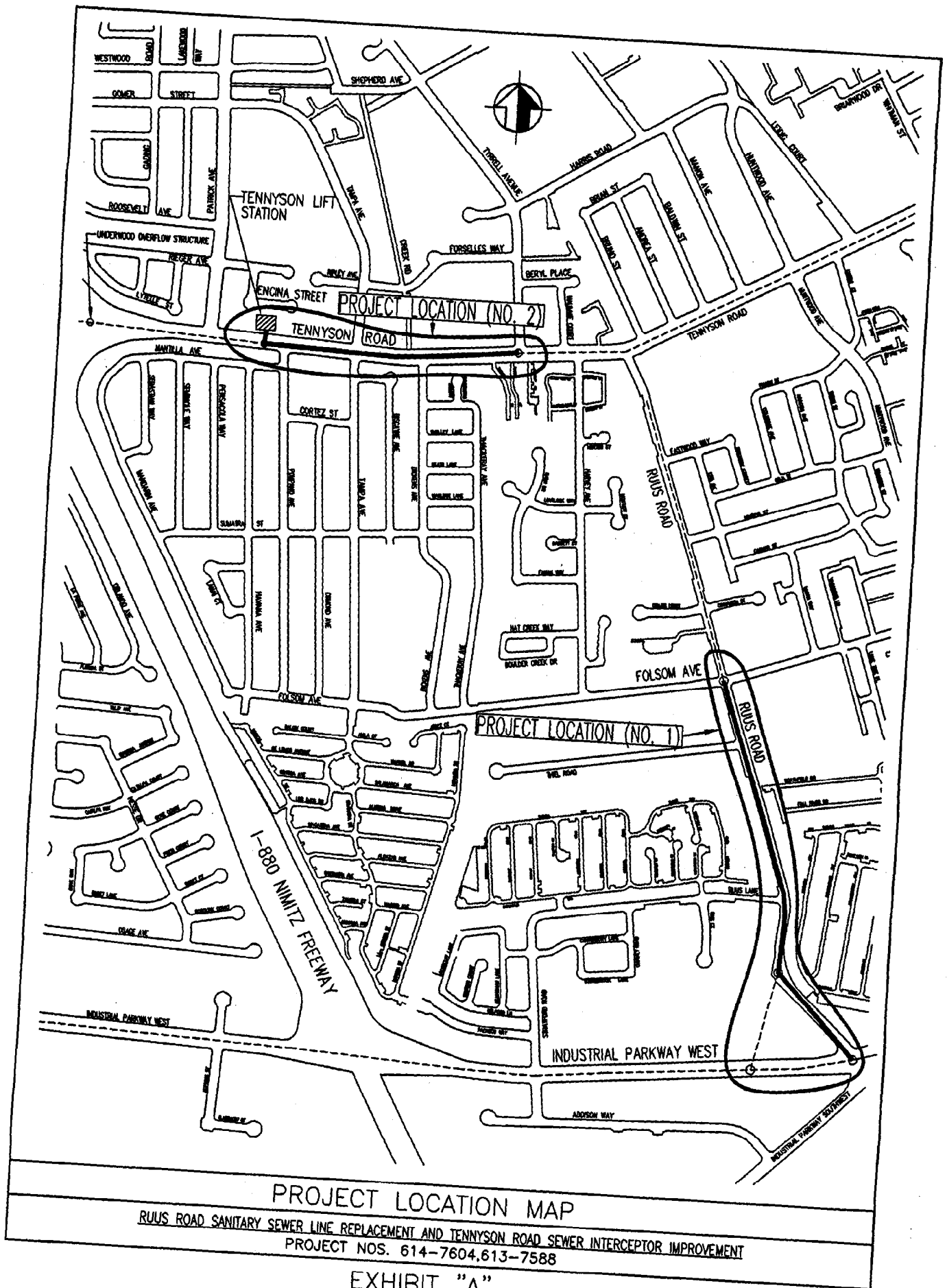
Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

Attachments: Exhibit A - Project Location Map  
Draft Resolution



## PROJECT LOCATION MAP

RUUS ROAD SANITARY SEWER LINE REPLACEMENT AND TENNYSON ROAD SEWER INTERCEPTOR IMPROVEMENT  
PROJECT NOS. 614-7604, 613-7588

EXHIBIT "A"

DM 1-12-99

HAYWARD CITY COUNCIL

RESOLUTION NO. \_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION APPROVING PLANS AND SPECIFICATIONS FOR THE RUUS ROAD SANITARY SEWER LINE REPLACEMENT AND TENNYSON ROAD SEWER INTERCEPTOR IMPROVEMENT PROJECT, PROJECT 7604 AND 7588, AND CALL FOR BIDS

BE IT RESOLVED by the City Council of the City of Hayward as follows:

1. That those certain plans and specifications for the Ruus Road Sanitary Sewer Line Replacement, Tennyson Road Sewer Interceptor Improvement Project, Project 7604 and 7588, on file in the office of the City Clerk, are hereby adopted as the plans and specifications for the project;
2. That sealed bids therefor will be received by the City Clerk's office at City Hall, 777 "B" Street, Hayward, California 94541-5007, up to the hour of 2:00 p.m. on Tuesday, March 2, 1999, and immediately thereafter publicly opened and declared by the City Clerk in the Public Works Conference Room, fourth floor, City Hall, Hayward, California;
3. That the City Council will consider a report on the bids at a regular meeting following the aforesaid opening and declaration of same; and
4. That the City Clerk is hereby directed to cause a notice calling for bids for the required work and material to be made in the form and manner provided by law.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 1999

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward